

## CLAIMS:

1. An organic electroluminescent device having a plurality of independently addressable electroluminescent elements, said device comprising:
- a patterned first electrode layer comprising a plurality of first electrodes;
  - a second electrode layer;
  - 5 - an organic, optionally patterned, electroluminescent layer sandwiched between said first and said second electrode layer;
  - an organic charge transport layer having mutually separate charge transport areas which are positioned between the electroluminescent layer and the first electrode layer; and
  - a relief pattern separating said charge transport areas along neighboring first electrodes.
- 10 2. An organic electroluminescent device as claimed in claim 1 wherein the relief pattern has positively-sloped sections.
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- 15 3. An electroluminescent device as claimed in claim 1 or 2, characterized in that the electroluminescent device is a display device of the passive matrix type wherein the plurality of first electrodes is a plurality of row electrodes, the second electrode layer comprises a plurality of independently addressable column electrodes which cross the row electrodes and the relief pattern.
- 20 4. A battery-operated and/or hand-held electronic device, such as a mobile phone, provided with an EL display device as claimed in claim 1, 2 or 3.
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- 25 5. A method of manufacturing an organic electroluminescent device comprising a plurality of independently addressable electroluminescent elements, said method comprising:
- providing a patterned first electrode layer comprising a plurality of first electrodes;
  - providing a relief pattern extending between and along neighboring first electrodes;
  - depositing a fluid layer comprising organic charge transport material or a precursor material thereof;

- converting the fluid layer into an organic charge transport layer having mutually separate charge transport areas which are positioned between the electroluminescent layer and the first electrode layer and which are mutually separated along neighboring first electrodes;
- providing at least one, optionally patterned, electroluminescent layer; and
- 5 - providing an, optionally patterned, second electrode layer.

6. A method as claimed in claim 5, wherein the steps of depositing and converting the fluid layer comprise:

- depositing the fluid layer non-selectively in a quantity sufficient to flood both the
- 10 - plurality of first electrodes and the relief pattern, and
- converting the fluid layer into the organic charge transport layer, wherein during conversion the fluid layer breaks up in mutually separate fluid areas which extend between and along the relief pattern, which fluid areas are then converted into the mutually separate charge transport areas.

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